

**Notice of Allowability**

Application No.

09/726,375

Examiner

Sudhanshu C. Pathak

Applicant(s)

DOGAN, MITHAT C.

Art Unit

2634

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to October 15<sup>th</sup>, 2004.
2. ☒ The allowed claim(s) is/are Claims 1, 4-14, 17-19 & 22-24 and re-numbered as claims 1-18 respectively.
3. ☒ The drawings filed on November 30<sup>th</sup>, 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment                    |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance              |
|   | 9. <input type="checkbox"/> Other _____.   |

### DETAILED ACTION

1. Claims 1, 4-14, 17-19 & 22-24 are pending in the application.
2. Claims 2-3, 15-16 & 20-21 have been canceled.

### EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Gordon R. Lindeen III (303)-740-1980 on December 3<sup>rd</sup>, 2004.

- In Order to avoid "Prior Art" Rejection the claims have been amended as follows:

- In Claim 1, line 4, replace "selecting a training sequence at the receiving station for the uplink burst from among a plurality of training sequences;" with  
.....selecting a training sequence at the receiving station for the uplink burst by determining a digit from a number stored in the receiving station, the number being unique to each receiving station, and applying the determined digit to select from among a set of predetermined training sequences;.....

- Claims 2-3, 15-16 & 20-21 have been canceled. The limitation of the specified dependent claims have been included in the respective independent claims, thus the claim have been canceled.
- In Claim 4, line 1, replace "wherein selecting the training sequence comprises determining a digit from an identification number of the receiving station and applying the determined digit to select from among a set of predetermined training sequences." With  
.....wherein the stored number comprises the identification number of the receiving station.....
- In Claim 9, line 2, replace "repetition of the core sequence comprises a repetition of the core" with  
.....training sequence comprises a repetition of a core.....
- In Claim 10, line 2, replace "consists essentially of 12 symbols." with  
.....has 12 symbols.....
- In Claim 14, line 6, replace "selecting a training sequence at the receiving station for the uplink burst from among a plurality of training sequences;" with  
.....selecting a training sequence at the receiving station for the uplink burst by determining a digit from a number stored in the receiving station, the number being unique to each receiving

station, and applying the determined digit to select from among a set of predetermined training sequences;.....

- In Claim 17, line 1, replace “wherein the instructions causing the machine to perform operations comprising selecting the training sequence further comprise instructions for determining a digit from an identification number of the receiving station and applying the determined digit to select from among a set of predetermined training sequences.”

with

.....wherein the stored number comprises a sequence further comprising instructions for determining a digit from an identification number of the receiving station.....

- In Claim 19, line 3, replace “select a training sequence burst from among a plurality of training sequences;” with  
.....select a training sequence at the receiving station for the uplink burst by determining a digit from a number stored in the receiving station, the number being unique to each receiving station, and applying the determined digit to select from among a set of predetermined training sequences;.....

- In Claim 22, line 2, replace “wherein the processor selects by determining a digit from the register and applying the determined

digit to select from among a set of predetermined training sequences." With  
.....wherein the processor selects by determining a digit from the identification number register.....

***Allowable Subject Matter***

4. Claims 1, 4-14, 17-19 & 22-24 and re-numbered as claims 1-18 respectively are allowable over the prior art of record because the cited references do not contain the specified limitation of a method comprising receiving at a receiving station a downlink broadcast burst from a base station; determining timing for transmitting an uplink burst; selecting a training sequence at the receiving station for the uplink burst by determining a digit from a number stored in the receiving station, the number being unique to each receiving station, and applying the determined digit to select from among a set of predetermined training sequences; and transmitting the uplink burst from the receiving station using the selected training sequence.


***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sudhanshu C. Pathak whose telephone number is (571)-272-3038. The examiner can normally be reached on M-F: 9am-6pm.
- If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on (571)-272-3056

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- The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.
- Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sudhanshu C. Pathak



**STEPHEN CHIN**  
**SUPERVISORY PATENT EXAMINER**  
**TECHNOLOGY CENTER 2600**